

# Empathy map canvas

Use this framework to empathize with a customer, user, or any person who is affected by a team's work. Document and discuss your observations and note your assumptions to gain more empathy for the people you serve.

Originally created by Dave Gray at

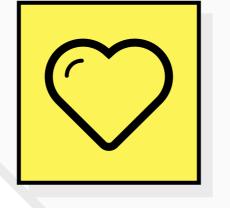




# Develop shared understanding and empathy

Summarize the data you have gathered related to the people that are impacted by your work. It will help you generate ideas, prioritize features, or discuss decisions.

IOT BASED SAFETY GADGET FOR CHILD SAFETY AND MONITORING AND NOTIFICATION



#### WHO are we empathizing with?

Who is the person we want to understand? What is the situation they are in? What is their role in the situation?

> The camera is used to capture the environment of the child

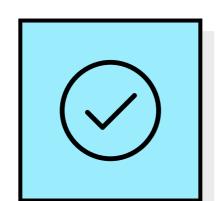
## What do they HEAR?

What are they hearing others say? What are they hearing from friends? What are they hearing from colleagues? What are they hearing second-hand?

the temperature and motion of the child must be monitored

The respective parents should know the location of the child

The GPS module is used to record current location of the device



#### What do they DO?

What do they do today? What behavior have we observed? What can we imagine them doing? communication module automatically sends a text message to the parent as SMS.

The GSM mobile

The GPS module is used to record GOAL current location of the device which is used to track the device if the child

is missing

What are their wants,

\*Actual location

of the child.

\*continuous

monitoring.

\*purposeful device.

\*It does not entirely

depend on manual

alerting by the victim

way to instantly

call for help,

regardless of a

phone's battery

level.

needs, hopes, and dreams?

#### What do they THINK and FEEL?

**PAINS** 

What are their fears, frustrations, and anxieties?

security and privacy issues

highly

depend on the internet

What other thoughts and feelings might influence their behavior? Children have a

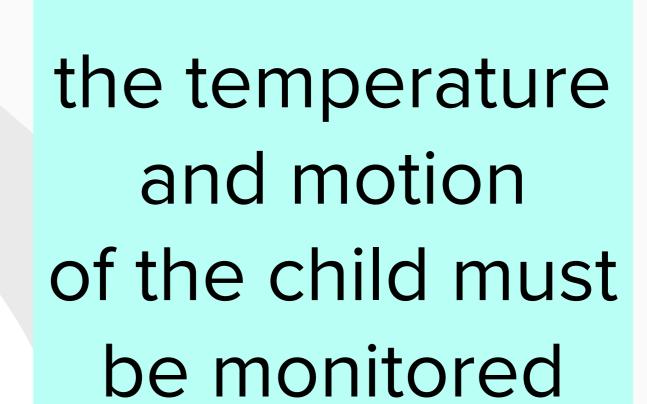
parents can have more peace of mind than ever before that their children are safe

The image taken is processed using convolutional neural network (CNN) which predicts the background like play area, railway station, beach, road, or classroom

The accelerometer and vibration sensors are used to detect the motion of the child

#### What do they need to DO?

What do they need to do differently? What job(s) do they want or need to get done? What decision(s) do they need to make? How will we know they were successful?



The sensors are activated automatically when

they are subjective to the miscellaneous activities

emergency light

and alarm buzzer

activated when

button pressed

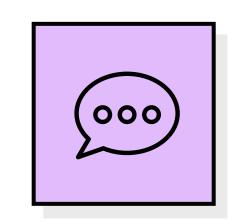
by child in

distress

#### What do they SEE?

What do they see in the marketplace? What do they see in their immediate environment? What do they see others saying and doing? What are they watching and reading?

To provide a security cover to child in todays time



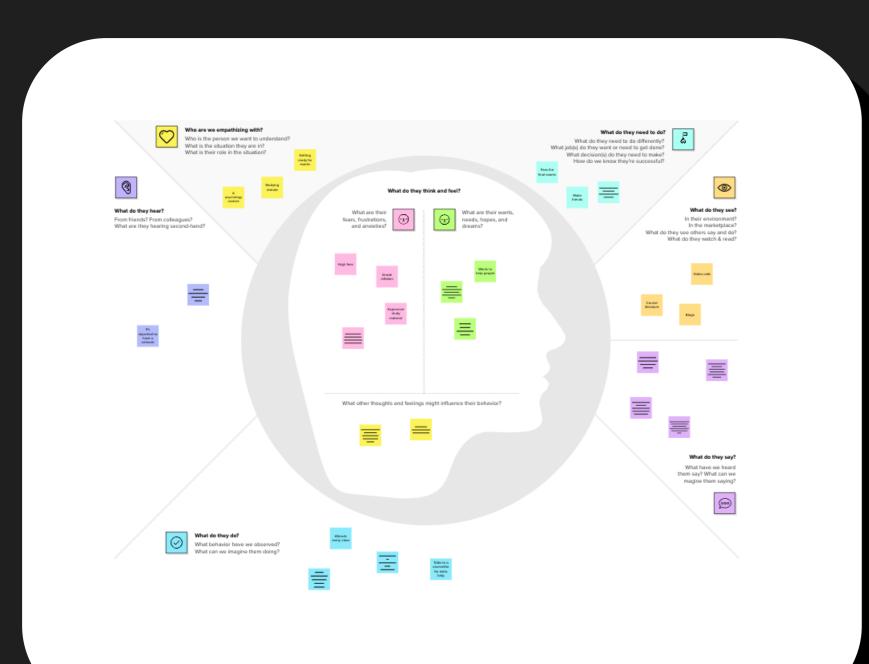
### What do they SAY?

What have we heard them say? What can we magine them saying?

> The data is stored into a cloud permanently to keep the track record of old data of the children for further reference

protect from threats and breaches, identify and monitor risks and can help fix vulnerabilities

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